

ABSTRACT

A volume ramp-up circuit for a sound masking system to ramp the volume of the sound masking output from an initial setting to a final volume setting over a ramp-up period. The sound masking system generates a volume setting signal for the ramp-up circuit. The volume ramp-up circuit generates a volume setting signal for the sound masking system based on the volume setting signal and an internally generated control signal. The control signal is stored in non-volatile memory. In the event of a power loss, the setting for the control signal is retrieved from the non-volatile memory and the volume ramp-up for the sound masking system is continued.